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A general, conceptual model describing the elements and sequencing of the educational process is presented with a submodel which greatly elaborates segments of the general model. The submodel orders both persons and educational techniques in terms of two major modes of perceiving the world and two major modes of judging what has been perceived. Particular educational techniques will have differential appeal and relevance to each perception-judgment life style. The uniformity, congruity, and complementary or compensatory approaches for matching persons to educational techniques are defined and discussed. The existing system of education employs primarily one form of the uniformity approach and leaves the bulk of human resources undeveloped. Work to date on an inventory of innovative educational techniques or change processes has concentrated on developing a comprehensive, reliable, and useful change process report form. The form has been applied to identified innovative techniques, and procedures have been established for integrating and applying the data collected. A copy of the form is appended. (DE)



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## CONCEPTUAL MODELS OF EDUCATIONAL PROCESSES AND AN INVENTORY OF CHANGE PROCESSES

by

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A Research Memorandum is a working paper that presents the results of work in progress. The purpose of the Research Memorandum is to invite comment on research in progress. It is a comprehensive treatment of a single research area or of a facet of a research area within a larger field of study. The Memorandum presents the background, objectives, scope, summary, and conclusions, as well as method and approach, in a condensed form. Since it presents views and conclusions drawn during the progress of research activity, it may be expanded or modified in the light of further research.

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A Research Note is a working paper that presents the results of study related to a single phase or factor of a research problem. It also may present preliminary exploration of an educational policy issue or an interim report which may later appear as a larger study. The purpose of the Research Note is to instigate discussion and criticism. It presents the concepts, findings, and/or conclusions of the author. It may be altered, expanded, or withdrawn at any time.

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V A CONCEPTUAL MODEL OF EDUCATIONAL PROCESSES AND AN INVENTORY  
OF CHANGE PROCESSES

Robert E. Mogar

Although the conceptual models developed by a number of leading psychological and sociological theorists are relevant to understanding educational processes, no one of them seems adequate to the major task of forecasting alternative futures. Consequently, an attempt has been made to develop a general theoretical framework that either incorporates or at least is consistent with the models formulated by Abraham Maslow, Florence Kluckhohn, Erik Erikson, Kurt Goldstein, Talcott Parsons, Charles Morris, Handley Cantril, and Carl Jung. The general theoretical framework is sufficiently broad and flexible to permit the "plugging in" of more rigorous submodels for specific descriptive or forecasting functions.

I. Elements and Sequencing of the Educational Process

The general theoretical framework provides a basis for systematically describing and explaining the elements of the educational process (Figure 1) and the sequencing of the educational process (Figure 2), developmentally or at various life stages. The framework consists of five major classes of variables, namely, antecedent conditions (A), persons (B), situations (C), life stages (D), and outcomes (O). At the most general level, the schema represents the interaction of persons (B) having a given history (A) with social systems (C) to produce particular outcomes (O) at various life stages (D). As indicated in Figures 1 and 2, more specific variables may be identified within each major class of variables. The iconography of various individual or social worlds may be depicted by examining different configurations of the relevant variables across the five major variable components. The following widely recognized factors represent examples of specific variables within each major class:

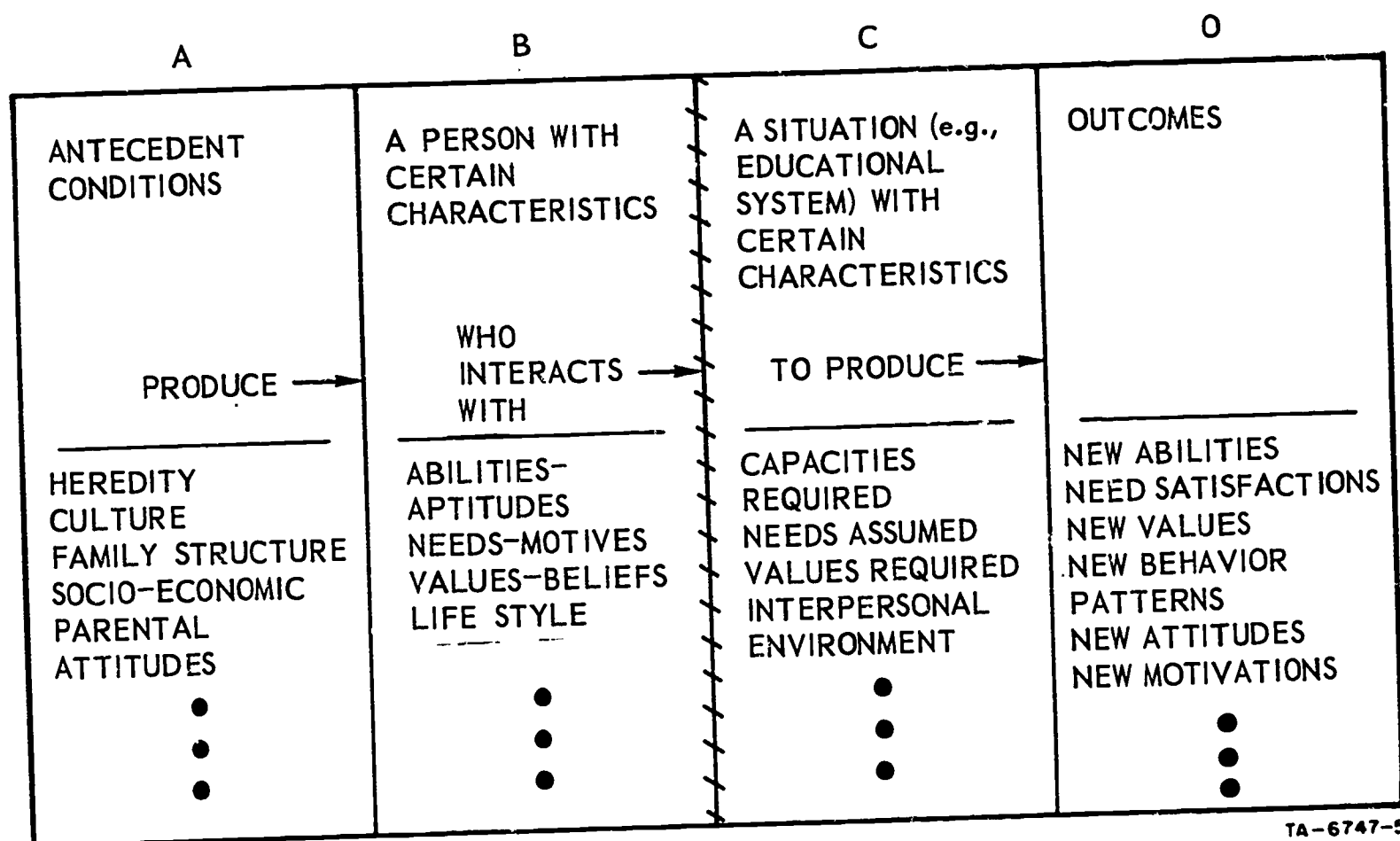


FIG. 1 REPRESENTATION OF ELEMENTAL EDUCATIONAL PROCESS

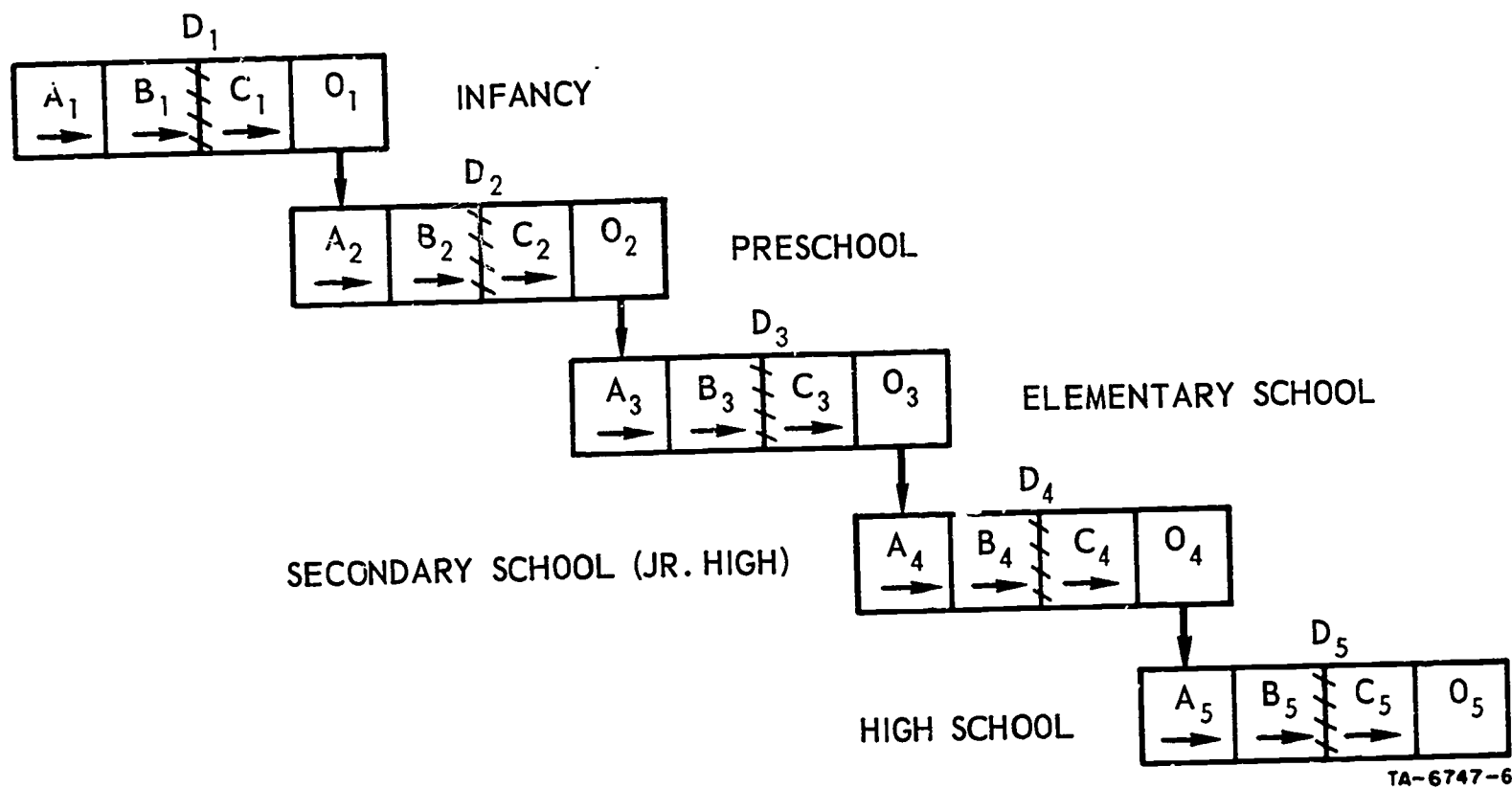


FIG. 2 SEQUENCING OF EDUCATIONAL PROCESSES



- (A) Egalitarian-Communitistic cultures  
Patriarchal-Matriarchal families  
Lower-Middle classes  
Authoritarian-Permissive parents
- (B) Verbal-Nonverbal abilities  
Security-Self-Actualizing motives  
Promethean-Dionysian values  
Sensing-Thinking--Intuitive-Feeling life styles
- (C) Cognitively- Affectively-oriented educational systems  
Leader-Leaderless work systems  
Directive-Nondirective therapy techniques
- (D) Preschool children-College students
- (O) Physico-Social Adaptation--Self Actualization

Focussing on a person or group at a particular moment in time, the framework may be used to study the relationship between various human capacities-needs (B) and environmental demands-opportunities (C). In specific educational contexts, one may ask: "Are capacities and demands compatible or dissonant; comparable or unequal in strength?" "Given particular capacity-demand ratios, what outcomes would be forecasted?"

For purposes of the present project, the general theoretical framework will be used as a basis for evaluating and comparing (a) the current status and impact of our educational system, and (b) alternative future educational systems, i.e., current, emerging, and potential configurations of A-B-C-D-O. With regard to empirical findings, the framework provides a common format for translating existing evidence or collecting new data from individuals, sub-groups, social classes, age groups, educational subsystems, and so on.

A number of preliminary applications of the model have already been completed. The currently available empirical evidence concerning dominant need levels, value orientations, life styles, and social class differences in American society have been summarized and integrated in comparable form. These summary data provide an estimate of current manifest human resources in the United States (relative to potential human resources).

With regard to its second major function, the framework has been used for evaluating the impact of innovative educational procedures for "affective domain" objectives, i.e., what outcomes are facilitated by specific

configurations of person-processes, subgroups-educational policies? Specific applications of the model for this purpose are described in Section II below.

The framework has also been used as a basis for predicting feasible alternative futures in terms of (a) discrepancies between latent and manifest human resources, (b) the application of different behavior-change processes to various perception-judgement-need level configurations, and (c) the application of alternative approaches to matching persons and change processes, namely, the uniformity approach, the congruity approach, and the compensatory approach. These applications of the framework are also described in Sections II and III below.

## II. A Conceptual Sub-Model of Persons and Educational Processes

A conceptual sub-model that orders both persons and educational techniques in terms of four basic perception-judgement combinations is based on Jungian personality theory as operationalized with the Myers-Briggs Type Indicator (Myers-Briggs, 1962). The submodel can be readily "plugged into" the general theoretical framework as a greatly elaborated B X C configuration (see Figure 3).

The sub-model includes two major modes of perceiving and apprehending the world, that is, becoming aware of things, people, events, or ideas: (1) via the senses (conscious processes) and (2) via intuition (unconscious "inner perception"). In addition to the two perceptual modes, there are two major modes of judging, evaluating, or coming-to-conclusions about what has been perceived: (1) thinking (discriminates impersonally between true and false via rational inference) and (2) feeling (discriminates between valued and not-valued, liked and disliked).

The preference for Thinking or Feeling is entirely independent of the preference for Sensing or Intuition. Either kind of judgement can be paired with either kind of perception. Thus, four combinations occur:

- |                       |    |
|-----------------------|----|
| 1. Sensing-Thinking   | ST |
| 2. Sensing-Feeling    | SF |
| 3. Intuition-Thinking | IT |
| 4. Intuition-Feeling  | IF |

As indicated in Table 1, each of these four combinations produces a different kind of personality or life style. For example, Sensing-Thinking people tend to be practical and matter-of-fact; Intuition-Feeling people tend to be enthusiastic, strongly committed, and insightful. Each individual is characterized by a preferred mode of perceiving and a preferred mode of judging (Superior functions). The opposite functions are less developed and less trusted (Inferior functions). Also presented in Table 1 are the modal occupational groups associated with each perception-judgement combination. These relationships as well as the typologies arrived at by other investigators are based on extensive empirical evidence. For example, the similar fourfold classification formulated by Holland (1966) is based on factor analyses of comprehensive personality and vocational interests data. As indicated in Table 1, Sensing-Thinking people tend to be "realistic," Sensing-Feeling people tend to be "social," Intuitive-Thinking people tend to be "theoretical," and Intuitive-Feeling people tend to be "artistic."

As soon as a preference between the two ways of perceiving is exercised, a basic difference in development begins. Whichever process a child prefers, whether sensing or intuition, he will make more use of it, pay closer attention to its stream of impressions, and fashion his idea of the world from what it shows him. The other kind of perception will be background, a little out of focus.

With the advantage of constant practice, the preferred process grows more controlled and more trustworthy. By a natural sequence of events, the child who prefers sensing and the child who prefers intuition develop along divergent lines. Similarly, the child who prefers feeling becomes more adult in the handling of human relationships. The child who prefers thinking becomes more adult in the organization of facts and ideas. Each becomes relatively adult in an area where the other remains relatively childish.

As suggested in Table 1, educational techniques as well as persons can be readily categorized according to the four basic perception-judgement combinations. Techniques that involve complex change processes (multiple

Table 1

## SOME KEY FEATURES OF PERCEPTION-JUDGEMENT COMBINATIONS

<u>People who prefer</u>	SENSING- THINKING	SENSING- FEELING	INTUITION- THINKING	INTUITION- FEELING
<u>Focus their attention on</u>	Facts	Facts	Possibilities	Possibilities
<u>And handle these with</u>	Impersonal analysis	Personal warmth	Impersonal analysis	Personal warmth
<u>Thus they tend to be</u>	Practical and matter-of-fact	Sociable and friendly	Intellectually ingenious	Enthusiastic and insightful
<u>and find scope for their abilities in</u>	Construction Production Accounting <u>Engineering</u> Law	<u>Sales</u> Service Welfare work Public relations G.P. medicine	Management <u>Mathematics</u> Research Science College teaching	Creative writing <u>Architecture</u> Clinical psychology Psychiatry Religion
<u>That are facilitated by techniques such as</u>	Teaching machines Rational-Will therapies e.g., auto-suggestion	Body and sensory awareness Group therapies e.g., psychodrama Synanon games	Basic encounter groups, e.g., brainstorming as Rogersian therapy	Meditation Psychedelic drugs Jungian analytic techniques Psychosynthesis
<u>Recognized by:</u>				
Thurstone as Interested in	Business	People	Science	Symbols
Gundlach and Gerum as	Technical	Social	Intellectual	Creative
Spranger; Allport-Vernon as	Economic	Social	Theoretical	Religious
Murray as		Practical, Skeptical, Down-to-earth		Imaginative, Subjective, Intuitive
Holland as	Realistic	Social	Intellectual	Artistic
Ginzberg as	Leadership	Social	Individualistic	Ideological

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primary components) can be assigned to more than one category. For example, brainstorming may facilitate Intuitive-Feeling activity as well as Intuition-Thinking. In terms of the sub-model, educational processes are designed to cultivate one or more perception-judgement combinations: (a) Sensing-Thinking techniques cultivate technical-scientific capacities; (b) Sensing-Feeling techniques cultivate sensory-physical capacities and social skills; (c) Intuition-Thinking techniques cultivate conceptual-scientific capacities; and (d) Intuition-Feeling techniques cultivate intuitive-affective capacities.

Particular educational techniques will have differential appeal and relevance to each perception-judgement life style. An individual's receptiveness to a given technique as well as the nature and extent of potential benefit obtainable from that technique are primarily a function of: (a) his perception-judgement preference; and (b) his dominant need level (along a deficiency-growth continuum).

Dominant need level as well as perception-judgement preference is an important variable in determining the probable impact on a given educational process on a given individual. For example, the Montessori method is essentially an Intuition-Thinking technique. Although Montessori would be most congruent with Intuitive-Thinking children, the method would certainly have differential appeal and relevance to a child with basic security needs in contrast to a child with prepotent needs of love and belongingness.

As suggested in Table 2, perception-judgement preferences may have entirely different behavioral manifestations depending upon dominant need level. More generally, characteristic ways of expressing unsatisfied deficiency needs are associated with each basic life style.\* Conversely,

---

\* With regard to the characteristic ways of expressing unsatisfied deficiency needs, there is a mass of empirical evidence supporting the relationships indicated in Table 2 (see e.g., Hollingshead & Redick, 1958; Myers-Briggs, 1962; Strupp, 1962). For example, hysterical patients, alcoholics, juvenile delinquents and manic patients have been found to be strongly other-directed, extrapunitive, field-dependent, and anti-intrceptive (Witkin, et al., 1962). In short, the same attributes found to characterize poorly functioning Sensing-Feeling persons (Myers-Briggs, 1962).



Table 2

## EXTREME FEATURES OF PERCEPTION-JUDGEMENT TYPES ASSOCIATED WITH NEED LEVEL

<u>Perception- Judgement Types</u>	Need Level		Major Religious "Paths"	
	<u>Deficiency</u>	<u>Growth</u>	<u>Western<sup>1</sup></u>	<u>Eastern<sup>2</sup></u>
Sensing- Thinking	Compulsions Psychosomatic problems: Migraine Ulcers Phobias	Efficiency and Achievement	Work	Bodily Control
Sensing- Feeling	Hysteria Alcoholism Anti-social behavior Manic behavior	Sensitivity and Lovingness Toward others	Love	Love
Intuitive- Thinking	Anxiety Depression Insomnia	Knowledgeable and Wise	Knowledge	Control of Thought
Intuitive- Feeling	Hallucinations Delusions Autism	Enlightenment and Serenity	Psychological Experience (inner quest)	Philosophical Insight

1. Huston Smith in the Religions of Man.

2. John Mann in Changing Human Behavior.

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characteristic ways of expressing growth motivation or self-actualizing tendencies are associated with each basic life style. As indicated in Table 2, these "ways" conform closely to the major Western as well as Eastern religious "paths." These isomorphisms provide additional justification for a pluralistic educational system that recognizes and nurtures individual differences in life style and need level.

The importance of considering a multiplicity of perception-judgement-need level configurations in designing educational systems is exemplified by the striking differences between social classes. The perception-judgement preferences and modal need levels of each social class is presented in Table 3. The uniqueness of each social class demonstrates clearly the wide differences in the educational requirements of individuals which are either ignored or discouraged in a system that subjects all participants to a uniform mode of instruction.

Table 3

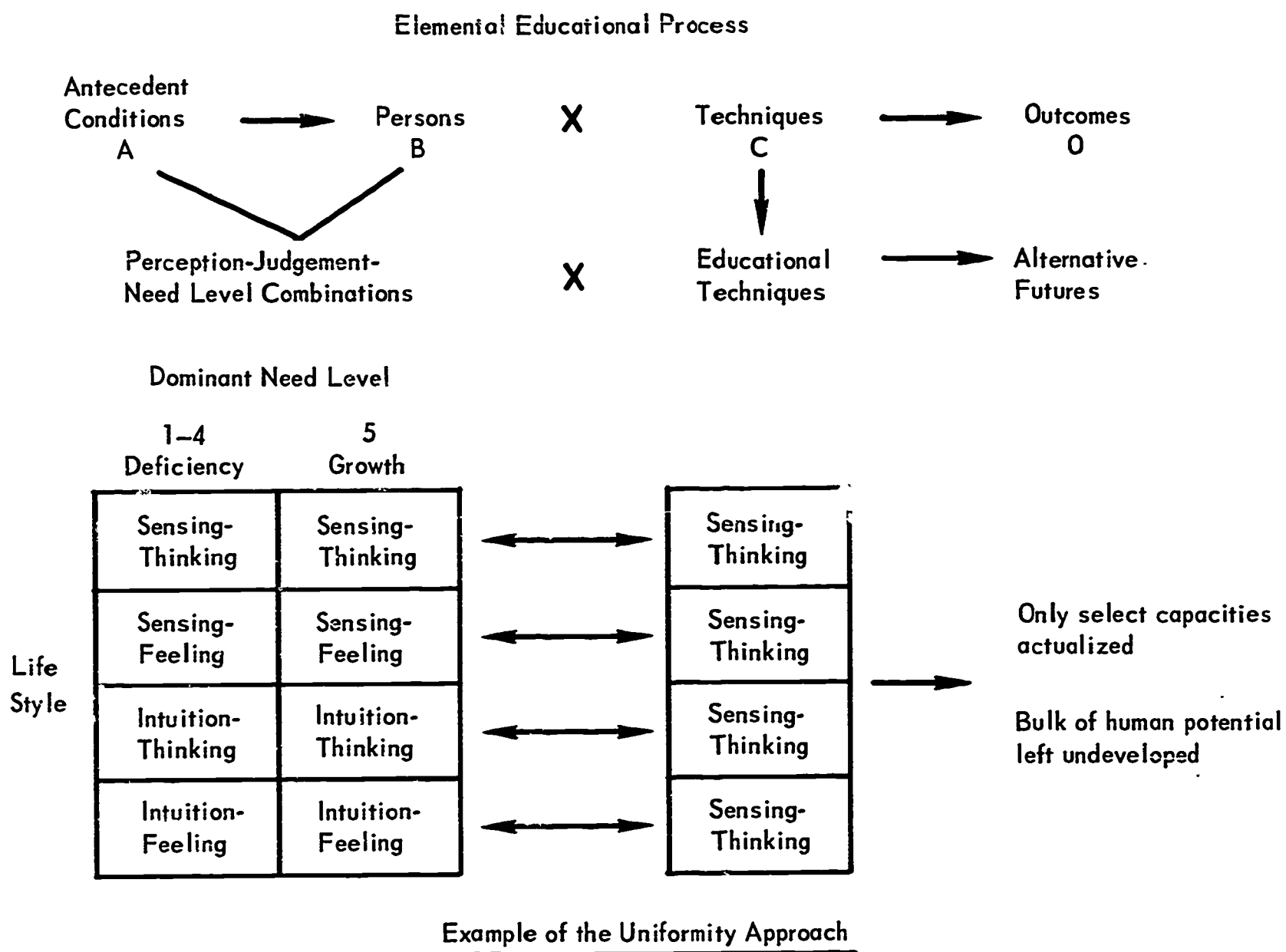
PERCEPTION-JUDGEMENT PREFERENCES AND MODAL NEED LEVELS OF  
MAJOR SOCIAL CLASSES

Social Class	Perception-Judgement Preference		Modal Need Level
	Primary	Secondary	
Lower	Sensing-Feeling	Intuition-Feeling	Physiological
Working	Sensing-Thinking	Sensing-Feeling	Safety
Middle	Sensing-Thinking	Sensing-Feeling	Belongingness
Upper-Middle	Sensing-Thinking	Intuition-Thinking	Esteem

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III. Three Approaches to Matching Persons to Educational Techniques

At the present time, our educational system employs Sensing-Thinking techniques primarily (technical-scientific) and Sensory-Feeling techniques secondarily (esp. socialization techniques). As indicated in Figure 3, this is one of four possible uniformity approaches, that is, all people being subjected to the same educational process.



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**FIG. 3 RELATIONSHIP BETWEEN PERCEPTION-JUDGEMENT-NEED LEVEL CONFIGURATIONS AND THE ELEMENTAL EDUCATIONAL PROCESS**



The major shortcoming of the uniformity approach is that it ignores individual differences in perception-judgement preferences and dominant need levels. The result is a high degree of specialization regarding cognitive capacities and undeveloped potentialities in the "affective-intuitive" domain.

Each of the remaining three classes of techniques (sensing-feeling, intuitive-thinking, intuitive-feeling) could be substituted uniformly yielding three different alternative futures, for example, sensory-feeling techniques would tend to produce a hedonistic, other-directed population. Any one of the four uniformity approaches would develop highly select capacities, in compatible individuals only, leaving the bulk of human resources undeveloped.

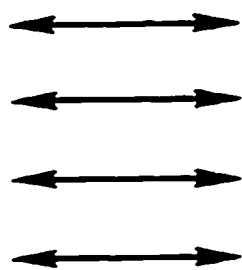
An alternative strategy is the congruity approach, that is, individuals of a given life style would be exposed to comparable educational techniques. As indicated in Figure 4, the congruity approach would maximally develop dominant capacities but tend to produce "one-sided" people. Less accessible potentialities would remain undeveloped. The social result would be a high degree of diverse specialization rather than singular specialization such as would result from the uniformity approach.

The congruity approach would be most congenial to deficiency motivated people since it appeals to manifest potentialities that are most easily actualized. This approach would be most appropriate in a society whose citizens were preoccupied with sustenance. In short, a society that could not afford to devote a share of its energies to developing latent potentialities.

A third strategy is the complementary or compensatory approach in which individuals of a given life style would be exposed to techniques opposite to that life style. As indicated in Figure 5, individuals of a given life style would be progressively exposed to techniques that appeal to less accessible capacities. The compensatory approach presupposes maximum development of dominant capacities. In other words, its effectiveness would require relatively strong self-actualizing

DEFICIENCY GROWTH

ST	ST
SF	SF
IT	IT
IF	IF



ST
SF
IT
IF



MAXIMUM DEVELOPMENT OF  
MOST ACCESSIBLE CAPACITIES

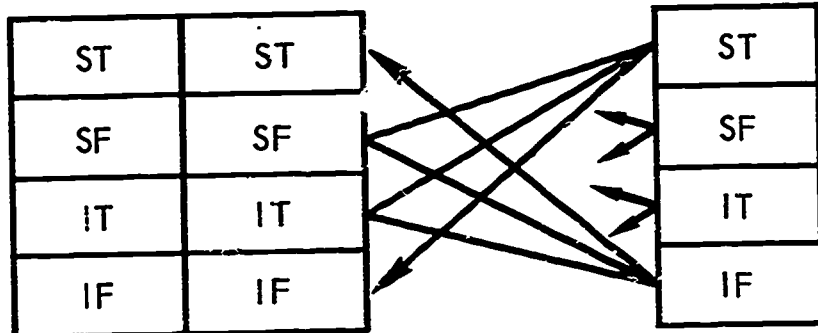
HIGH DEGREE OF DIVERSE  
SPECIALIZATION

OPTIMAL APPROACH FOR  
DEFICIENCY-MOTIVATED PEOPLE

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FIG. 4 THE CONGRUITY APPROACH

DEFICIENCY GROWTH



MAXIMUM DEVELOPMENT OF  
LEAST ACCESSIBLE CAPACITIES

OPTIMAL APPROACH FOR  
DEVELOPING FULLY-FUNCTIONING  
PEOPLE IN A GROWTH-MOTIVATED  
SOCIETY

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FIG. 5 THE COMPENSATORY APPROACH

tendencies. Otherwise, the exposure would be threatening and overwhelming. The compensatory approach is geared directly to developing latent potentialities. It would be most desired by growth-motivated or self-actualizing individuals, that is, those with mature manifest capacities and relatively undeveloped complementary capacities. Such capacities would constitute potential "strengths" rather than "weaknesses."

Two generalizations follow from this analysis: (1) The higher the dominant need level, the more receptive an individual would be to compensatory techniques and the more likely he would be to benefit maximally from them. Conversely, (2) The lower the dominant need level, the more receptive an individual would be to congruity techniques and the more likely he would be to benefit maximally from them. ✓

As a further application of the sub-model, it should be possible to characterize various alternative futures, by specifying distinct configurations of the four major components in the sub-model, namely,

- (a) Life Styles (ST, SF, IT, IF)
- (b) Need Levels (Security, Belongingness, Esteem, Self-Actualization)
- (c) Educational Techniques (ST, SF, IT, IF)
- (d) Educational Approaches (Uniformity, Congruity, Compensatory)

#### IV. Inventory of Change Processes for Actualizing Human Potentialities

As a further step toward identifying and forecasting alternative futures, an inventory of innovative educational techniques or change processes has been undertaken. For this purpose, a comprehensive reporting form was developed together with a detailed set of instructions for its use (see Appendix A). The inventory form was constructed, pre-tested, and revised a number of times in order to maximize its inclusiveness and insure high inter-judge reliability. It was developed to systematically describe highly diverse change processes along comparable dimensions that have relevance to understanding what makes them work, who they work with, and how they might be applied within educational systems.

To date, well over 100 innovative techniques have been identified--approximately one-half of which have already been carefully inventoried using the report form constructed for this purpose. As indicated in Table 4, a wide range of potentially effective change processes has been identified and inventoried. The list reflects the increasing convergence of educational processes, techniques of psychotherapy, and creative problem-solving procedures. Since the current educational system concentrates primarily on the technical-cognitive domain, most of the change processes studied thus far have been deliberately chosen to emphasize the affective-intuitive domain.

In terms of the general theoretical framework and Jungian-based sub-model, the present educational system may be summarized as follows. The current system is geared to: (a) deficiency-motivated individuals; (b) Sensing-Thinking and Sensing-Feeling individuals; (c) the Uniformity Approach; (d) developing rational human resources (cognitive domain); and (e) developing sensory-thinking and select sensing-feeling capacities, namely, knowledge acquisition and enculturation.

In contrast, the major focus of the techniques inventoried has been on: (a) growth-motivated as well as deficiency-motivated individuals; (b) Intuition-Thinking and Intuition-Feeling individuals; (c) the Congruity and Compensatory Approaches; (d) developing nonrational human resources (affective domain); and (e) developing Intuition-Thinking and Intuition-Feeling capacities, for example, imaginal and divergent thinking, access to wider dimensions of space, time, and self.

To facilitate integration of the techniques inventoried as well as possible applications, a cross-referencing system will be used. Each technique inventoried will be referenced along the following key dimensions (numbers in parenthesis refer to numbered items in the reporting form):

1. Context (5) Psychotherapy, Special Education, etc.
2. Focus (7) Self-Image, Motivation, etc.
3. Objectives (8) Perceptual Sensitivity, Spiritual Growth, etc.

Table 4  
GENERAL CATALOGING SYSTEM

Awareness, behavior and feelings (1-99)

Verbal, dyad therapy  
Sensitivity training group  
Focusing (Gendlin)  
Synanon  
Psychodrama

Awareness, sensory and body (100-199)

Body awareness  
Sensory awareness

Behavior pattern change (direct) (200-299)

Behavior therapy  
Operant conditioning  
Hypnotherapy

Motivation change (direct) (300-399)

Achievement motivation training  
Advertising, salesmanship  
Propaganda  
Will therapy, Recovery  
Assertion, self-expectation training

Self-image change (direct) (400-499)

Autosuggestion (Psychocybernetics)  
Ideal models (Psychosynthesis)  
Fixed role therapy (Kelly)

Use of integrative symbols, imagery (500-599)

"Constructive technique" (C. G. Jung)  
Directed imagery (Assagioli, Leuner, Desoille)  
Ritual, symbols in religion

Exploration of consciousness (600-699)

Meditation, contemplation  
Hatha yoga  
Psychedelic drugs ("large dose")  
Brainwave conditioning

Environmental change (700-799)

Organizational change (Argyris, etc.)  
Changing family setting  
Milieu therapy  
Wanderjahr

Improving bodily functioning (800-899)

Speed reading  
Massage, muscle relaxation  
Athletic skill training

Not classifiable as any of above (900-999)



4. Need Level (9-10) Deficiency-Security, Growth-Self-Actualizing, etc.
5. Conceptual Model (11) Behavioristic, Creationist, etc.
6. Primary Components (22) Inner Imagery, Self-Disclosure, etc.
7. Applicable stages of life (24) Preschool, Early Adult, etc.
8. General Cataloging System (Table 4) Awareness, Bodily Function, etc.

All techniques inventoried will be further ordered in terms of the four perception-judgement combinations. Focus and Objectives convert quite well to the Jungian system and thus provide a convenient basis for reclassification. As suggested above, a given technique may be assigned to more than one perception-judgement category depending upon the number of primary components involved.

A multi-dimensional cross-reference system rather than a reductive analysis (to common components, processes, objectives, etc.) will be carried out so that the uniqueness of each technique is retained. Although many of the techniques or change processes inventoried are highly similar, each one has distinctive features that seem essential to its effectiveness. The cross-referencing system provides a useful basis for ordering and integrating highly diverse processes. With regard to possible applications, the system insures a high degree of flexibility and "goodness of fit" between teachers, students, and techniques.

In summary, work to date with the inventory has concentrated on developing a comprehensive, reliable and useful change process report form, employing the form with identified innovative techniques, and establishing procedures for integrating and applying the data collected. An important aspect of this ongoing work concerns the "mechanisms" of change, that is, the explanatory bridge between persons (B) and techniques (C). There is some evidence, primarily in psychotherapeutic research literature, suggesting a limited number of such "mechanisms" that seem to account for at least the largest part of change in personal functioning following intervention--educational, psychotherapeutic, experimental, or religious (Hobbs, 1962; Goldstein and Dean, 1966; Mann, 1964; Mahrer, 1966). These data, in addition to those developed on this project, are being employed in a continuing search for adequate conceptual models.

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## REPORTING FORM

## Appendix A

REPORTING FORMINVENTORY OF CHANGE PROCESSES FOR  
ACTUALIZING HUMAN POTENTIALITIES

Number \_\_\_\_\_

Reporter \_\_\_\_\_

Date \_\_\_\_\_

- (1) Name of process,  
method or technique \_\_\_\_\_
- (2) Name of system,  
if applicable \_\_\_\_\_  
Other techniques in  
system (by number) \_\_\_\_\_
- (3) Name of organization  
where used \_\_\_\_\_  
Other organizations  
using technique \_\_\_\_\_
- (4) Originator of  
technique \_\_\_\_\_  
Major reference \_\_\_\_\_

## (5) Context:

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Psychotherapy         | <input type="checkbox"/> Regular<br>education      | <input type="checkbox"/> Special or informal<br>education                   |
| <input type="checkbox"/> Organized<br>religion | <input type="checkbox"/> Esoteric group<br>or cult | <input type="checkbox"/> Work improvement or<br>management develop-<br>ment |
| <input type="checkbox"/> Other (describe)      |  |   |

Other contexts where used \_\_\_\_\_

- (6) Setting (hospital, clinical facility, office, meeting room, prison,  
work environment, out-of-doors, home, anyplace, etc.):
- \_\_\_\_\_

✓ (7) Focus of direct change:

Primary

- |  |  |
|--|--|
| <u>S</u> <input type="checkbox"/> a. Environment                           | <u>T</u> <input type="checkbox"/> f. Perception of own behavior            |
| <u>F</u> <input type="checkbox"/> b. Motivation                            | <u>TS</u> <input type="checkbox"/> g. Perceptions of physical self         |
| <u>SF</u> <input type="checkbox"/> c. Behavior patterns                    | <u>F</u> <input type="checkbox"/> h. Awareness of own feelings, inner life |
| <u>IF</u> <input type="checkbox"/> d. Self-image                           | <u>I</u> <input type="checkbox"/> i. Awareness of consciousness            |
| <u>S</u> <input type="checkbox"/> e. Perceptions of others and environment |  |

Secondary (none, one or more as appropriate)

✓ (8) Objectives--primary (P) and secondary (S)

SI Relief of "symptoms"

IF Self-understanding

SF Improved interpersonal relationships

SI Work effectiveness (✓ productivity, IF     creativity, ✓ leadership)

SF Improved self-expression (    cognitive, ✓ emotional, ✓ physical,     moral, ✓ aesthetic)

IF Value-belief changes

SF Attitude-motivation changes

IF Access to and utilization of unconscious processes

IF Access to unusual states of consciousness

SF Increased perceptual sensitivity

SF Improved bodily functioning (✓ sensory skills,     manual skills, ✓ organ systems, ✓ muscle tensions)

IF Enlightenment, spiritual growth

SF Enculturation, indoctrination, inculcation

IF Freeing to live creatively, integration of mind-body-spirit-will

    Other (describe)

✓ (9) Clientele seen as

\_\_\_ deficiency-motivated, problem-oriented, or neurotic

\_\_\_ growth-motivated, normal to superior functioning

✓ (10) Clientele seen as

ST very concerned with security needs

SF very concerned with belongingness needs

ST very concerned with self-esteem needs

I F XXXX \_\_\_ primarily concerned with growth toward self-realization

\_\_\_ in need of development of motivation

\_\_\_ in need of redirection of problem-solving efforts to a more socially acceptable form

✓ (11) Classification of conceptual model used by practitioners

☐ Behavioristic

☐ Creationist

☐ Dynamic psychology

☐ Transhumanistic, metaphysical

☐ Existential-humanistic

☐ None specific

(12) Assumption implicit that

☐ growth motivation and knowledge of preferred direction are both innate, or

☐ motivation for change is innate, but knowledge of preferred directions is learned from the culture, or

☐ both motivation for change and choice of direction of change are learned or are the result of conditioning

(13) Key terms and concepts used in "explanation"; rationale

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(14) Major theoretical influence (authors): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

(15) Temporal structure: Time Unit \_\_\_\_\_

Frequency at which  
repeated \_\_\_\_\_

Overall duration \_\_\_\_\_

(16) Non-interpretive description of procedure (append example of good application of technique)

(17) Description of procedure as subjectively experienced by participant (append verbatim descriptions by participants)

(18) Description of sequencing of parts of technique, or elements in system, as appropriate:

(19) Percentage of time typically occupied with verbal action \_\_\_\_\_

(20) Approximate percentage of time typically spent in

\_\_\_ talking about things

\_\_\_ talking about persons

\_\_\_ talking about ideas

\_\_\_ expressing feelings about past experiences

\_\_\_ expressing present feelings

\_\_\_ simultaneous sharing of feelings among two or more persons

\_\_\_ individual activity (art work, meditation, body activities, etc.)

(21) Degree of structure:

☐ Minimally structured

☐ Loosely structured

☐ Moderately structured

☐ Highly structured

(22) Essential (P) and secondary (S) components used in technique or process:

- \_\_\_ Providing alterations in the permanent environment which facilitate, encourage, and account for change
- \_\_\_ Providing for practice and positive reinforcement of desired behavior patterns
- \_\_\_ Negative reinforcement of undesired behavior patterns
- \_\_\_ Changing self-image directly
  - \_\_\_ through autosuggestion
  - \_\_\_ through "ideal models," role playing, etc.
  - \_\_\_ through identification with a person or a group
  - \_\_\_ through feedback from significant others, celebration, etc.
- \_\_\_ Relationship in depth with one or more other persons
  - \_\_\_ characterized by openness and honesty of observation and reporting
  - \_\_\_ characterized by safety to recognize and express feelings with reduced risk of undesired consequences
- \_\_\_ Cultivation of self-awareness
  - \_\_\_ through self-observation of own behavior
  - \_\_\_ through body movement, physical expression
  - \_\_\_ through attention to sensory experience
  - \_\_\_ through attention to body sensations
  - \_\_\_ through attention to inner feelings and thoughts
- \_\_\_ Confrontation with unworkability of one's present approach
- \_\_\_ "Breaking set," confrontation with unexpected situation or response, "upending"
- \_\_\_ Temporary alteration of sense-data input
  - \_\_\_ through sensory overload
  - \_\_\_ through marked deprivation of sensory input
- \_\_\_ Self-disclosure, confession, catharsis
- \_\_\_ Overt expression of preconscious and/or unconscious (in verbal or visual media, spontaneous action, creative expression, etc.)
- \_\_\_ Generation of and response to inner imagery
- \_\_\_ Focusing the attention on transforming thoughts, symbols, images
- \_\_\_ Focusing consciousness on a thoughtless, feelingless state
- \_\_\_ Facilitating experiencing of unfamiliar states of consciousness (as by fasting, exhaustion, psychedelic drugs, etc.)
- \_\_\_ Identification, "becoming one," with other (person, object, nature)
- \_\_\_ Other (describe)
- \_\_\_ Other (describe)

(23) Client group: size:

- |  |  |
|--|--|
| <input type="checkbox"/> Individual        | <input type="checkbox"/> Medium-sized group (9-20) |
| <input type="checkbox"/> Dyad              | <input type="checkbox"/> Large group (over 20)     |
| <input type="checkbox"/> Small group (3-8) | <input type="checkbox"/> Mass audience             |

(24) Most applicable stage of life:

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| <input type="checkbox"/> Infancy   | <input type="checkbox"/> 12-20       |
| <input type="checkbox"/> Preschool | <input type="checkbox"/> Early adult |
| <input type="checkbox"/> 6-12      | <input type="checkbox"/> Late adult  |

(25) Clientele expectation (type of growth, symptom removal, deficiency compensation, complaint correction, etc.)

(26) Criteria used to indicate that the desired change has taken place (increased productive output, reported feelings of well-being, religious conversion, happier marriage, drinking stopped, feeling of self-understanding, increased self-esteem, belief changes, etc.)

(27) Assessment techniques used:

- ☐ Tests, ratings (describe or identify)
- ☐ Testimonials, self-reports by clients
- ☐ Anecdotal or verbal evaluation by leader
- ☐ Taped or verbatim records of proceedings
- ☐ None used

(28) References reporting assessment data:

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(29) Typical referral (self, physician, friends, work organization, recruitment by leader, published announcements or brochures, etc.)

- (30) Target marital status (married, single, divorced, parent, or irrelevant)
- (31) Target socio-economic level (upper-middle, middle-middle, working, lower class, or irrelevant; minority group, culturally deprived, gifted, etc. if relevant)
- (32) Usual clientele educational level: (a) context (preschool, elementary, secondary, etc.) or (b) attainment (dropout, high school minimum, college, etc.)
- (33) Is a leader (therapist, guru, trainer) necessary? \_\_\_\_\_
- (34) If a leader is used, state
- a. most important personal qualities of
  - b. special skills necessary
- (35) Does leader select clients from applicants? \_\_\_\_\_ If so, what are criteria for selection and/or rejection?
- (36) Additional comments